

§ 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 19-0036.

Amendments

In the Claims:

Please substitute the following claims 28-31 and 45 for pending claims 28-31 and 45:

28. (once amended) A process for determining the pharmacological effect of a substance on the activity of various biological target molecules, wherein a substance is applied to test cells which contain one or more biological target molecules and the effect of the substance on the activity of the target molecules is determined, characterised in that

- (a) a defined amount of a test substance is applied to test cells with the same basic biological constitution which differ in that they contain one or more different biological target molecules;
- (b) the effect of the substance on the or each biological target molecule is measured using a detection system coupled to the activation of the target molecule; and
- (c) the effects measured in (b) are directly or indirectly compared with one another, whereby the effect of the substance on the activity of the target molecules is determined;

wherein each of said one or more biological target molecules is a receptor protein, and

wherein said test cells with the same basic biological constitution are test cells derived from one type of tissue and one species.

29. (once amended) A process for determining the pharmacological effect of a substance on the activity of various biological target molecules, wherein a substance is applied to test cells which contain one or more biological target molecules and the effect of the substance on the activity of the target molecules is determined, characterised in that

- (a) a defined amount of a test substance is applied to test cells which contain one or more biological target molecules, the test cells differing in that they have different basic biological constitutions;
- (b) the effect of the substance on the or each biological target molecule is measured using a detection system coupled to the activation of the target molecule; and
- (c) the effects measured in (b) are directly or indirectly compared with one another, whereby the effect of the substance on the activity of the target molecules is determined;

wherein each of said one or more biological target molecules is a receptor protein, and wherein said test cells differing in that they have different basic biological constitutions are test cells not derived from one type of tissue and one species.

30. (once amended) A process for determining the pharmacological effect of a substance on the activity of various biological target molecules, wherein a substance is

applied to test cells which contain one or more biological target molecules and the effect of the substance on the activity of the target molecules is determined, characterised in that

- (a) a defined amount of a test substance is applied to test cells with the same basic biological constitution which differ in that they contain one or more different biological target molecules;
- (b) the effect of the substance on different regulatory mechanisms triggered by the activation of the target molecules is determined by measuring the effect using a plurality of detection systems each coupled to the different regulatory mechanisms; and
- (c) the effects of the test substance on the different test cells or the effects determined using different detection methods are directly or indirectly compared with one another, whereby the effect of the substance on the activity of the target molecules is determined;

wherein each of said one or more biological target molecules is a receptor protein, and

wherein said test cells with the same basic biological constitution are test cells derived from one type of tissue and one species.

31. (once amended) A process for determining the pharmacological effect of a substance on the activity of various biological target molecules, wherein a substance is applied to test cells which contain one or more biological target molecules and the effect of the substance on the activity of the target molecules is determined, characterised in that

- (a) a defined amount of a test substance is applied to test cells which contain one or more biological target molecules, the test cells differing in that they have different basic biological constitutions;
- (b) the effect of the substance on different regulatory mechanisms triggered by the activation of the target molecules is determined by measuring the effect using a plurality of detection systems each coupled to the different regulatory mechanisms; and
- (c) the effects of the test substance on the different test cells or the effects determined using different detection methods are directly or indirectly compared with one another, whereby the effect of the substance on the activity of the target molecules is determined;

wherein each of said one or more biological target molecules is a receptor protein, and
wherein said test cells differing in that they have different basic biological constitutions are test cells not derived from one type of tissue and one species.

45. (once amended) The process of claim 41, wherein the receptor is KDR.